



CANINE



# Vcheck cTSH



## For Early Detection of Hypothyroidism in Canines

The Vcheck cTSH test kit is an in vitro diagnostic test kit for the in-clinic, quantitative measurement of canine TSH (Thyroid Stimulating Hormone) in serum. TSH is secreted by the anterior pituitary gland and promotes release of thyroid hormones. Measurement of TSH provides information on the interaction between the pituitary and thyroid gland. An increased concentration usually indicates hypothyroidism. Vcheck cTSH can assist in diagnosing canine hypothyroidism by quantifying this concentration.

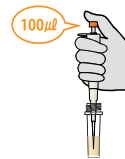
## Clinical Applications

- Diagnosis of canine hypothyroidism
- A serum TSH concentration greater than the reference range is consistent with hypothyroidism. The TSH assay has high specificity, and serum levels should be interpreted in conjunction with the results from a T4 test
- Therapeutic monitoring of canine hypothyroidism

## Specifications

<b>Species</b>	Canine
<b>Sample Type</b>	Serum 100 µl
<b>Measurement</b>	Quantitative
<b>Range</b>	0.25 - 5.00 mg/L
<b>Testing Time</b>	15 minutes
<b>Storage Condition</b>	2 - 8° C

## Simple Testing Procedure



### Dilute Sample

Use a 100 µl pipette to draw 100 µl of the serum and add to the assay diluent tube.



### Mix

Use the same pipette to mix the sample with diluent by pipetting 5 - 6 times.



### Measure

Add 100 µl of the mixed sample to the sample well of the test device and press [START].

Product Name	Product Number	Product Type	Packing Unit
Vcheck cTSH	VCF118DC	Device	5 Tests/Kit

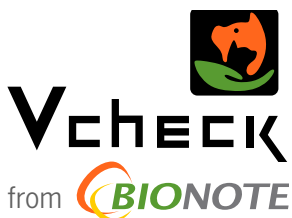
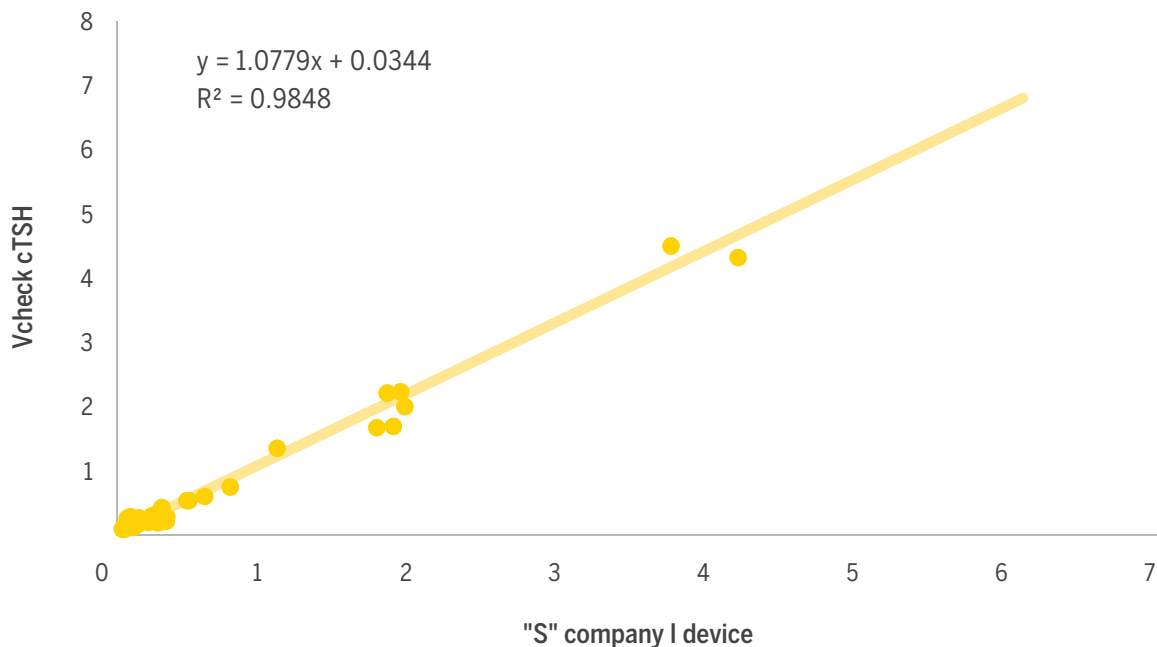
## A Closer Look: cTSH

Vcheck's cTSH test measures for the TSH glycoprotein produced by the anterior pituitary gland. Through its action on the thyroid gland, it plays a major role in maintaining normal circulating levels of the thyroid hormones T3 and T4. When TSH is elevated, it can indicate hypothyroidism. Testing should be done when clinical signs are present.

Clinical Signs of Canine Hypothyroidism
Lethargy
Mental dullness
Weight gain
Inactivity
Weakness
Anemia
Endocrine alopecia
Behavioral abnormalities

## Specific Clinical Application

The Vcheck canine TSH test kit is based on a sandwich immunoassay method for the quantitative measurement of TSH concentration. The TSH assay is usually required for canines with suspected hypothyroidism. A serum TSH concentration greater than the reference range is consistent with hypothyroidism. The TSH assay has high specificity and serum levels should be interpreted in conjunction with the results from a T4 test.



For More Information:  
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### More From Bionote Vcheck Analyzers

All of Bionote's Vcheck biomarker tests are available for use on the Vcheck V200 and V2400 analyzers.

